PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ubstitute for form 1449A/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/786.731		
Filing Date	02/25/2004		
First Named Inventor	Jack Nilsson *		
Art Unit	2821		
Examiner Name	UNKNOWN M. CABLICOS		
Attorney Docket Number	200106 00004		

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
MAC	AA	^{US-} 2,218,707	10/22/1940	Franz		
1	AB	^{US-} 3,383,694	05/14/1968	Strohmeyer, Jr.	*	
	AC	^{US-} 4,253,099	02/24/1981	Yamazaki et al		
	AD	^{US-} 4,958,167	09/18/1990	Schroeder		
	AE	^{US-} 5,406,295	04/11/1995	Baranski, et al		
4	AF	^{US-} 5,805,113	09/08/1998	Ogino, et al		
		US-				
		US-				
		US-				
		US-			1 , \	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		118-				
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code 3-Number 4-Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ*
-						Γ
						Γ
					·	Т

Examiner Signature Date Considered 10/31/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03) Approved for use through 08/30/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

titute for form 1449B/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/786,731			
Filing Date	02/25/2004			
First Named Inventor	Jack Nilsson			
Art Unit	2821			
Examiner Name	Unknown M. CABLICOS			
Attorney Docket Number	200106 00004			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
w L	CA	HTTP://WWW.MAGNETICSCIENCES.COM/UWBANDVPOLANTS~NS4.HTML, "Ultra-Wideband (UWB) and Multiband antenna for RF, microwayee and UWB,"	•
	СВ	HTTP://WWW.MAGNETICSCIENCES.COM/MULTIBEAMSATCOMANTENNA~NS4.HTML, "Multiple Beam Antenna for Satellite Communications and LOS Communications,"	
<u></u>	СС	HTTP://WWW.NORTHCOUNTRYRADIO.COM/ARTICLES/DISCFIG2.HTM, "Discone Figures,"	
	CD	HTTP://KYLETI.ASWWC.NET/INDEX.PHP?PAGE=PROJECTS&OLD_PROJECT+80211B_DISCONE, "Tipp and David's 2.4 GHz802.11b Discone,"	
	CE	HTTP://WWW.WAVE-REPORT.COM/TUTORIALS/OFDM.HTM, "OFDM-Tutorial,"	
MAC	CF	BROADBAND WIRELESS INTERNET FORUM WHITE PAPER, "VOFDM Broadband Wireless Transmission and Its Advantages over Single Carrier Modulation; Document Number WP-1_TG-1," Boradband Wireless Internet Forum, 1.2 ed., Broadband Wireless Internet Forum, p. 1-35, (December 15, 2000).	
		·	
!			

Examiner Signature		maken	Date Considered	10 /31/	2007
•	7		 		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application, Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.